

IN THE CLAIMS

This listing of claims replaces all prior listings:

1-26 (Cancelled).

27. (Currently Amended) A solid-state image sensor comprising [[:]] ~~(a)~~ a plurality of unit pixels with each unit pixel having:

(i) a photoelectric conversion element ~~for converting~~which converts incident light into an electric signal charge and ~~storing~~stores the signal charge obtained through such photoelectric conversion[[:]];

(ii) an amplifying element connected to the photoelectric conversion element which is effective to amplify the signal charge stored in said photoelectric conversion element into an electric signal[[:]];

(iii) a reset element connected between the photoelectric conversion element and a power supply which is effective to reset said signal charge;

(iv) a selection element between the amplifying element and a signal line; and
_____[[:]]v) a selection circuit between a horizontal reset line and the reset element
which is configured to provide a reset signal to the reset element and~~or~~a selection signal to the
selection element,

wherein,

said reset element is a depletion mode transistor, and

the reset gate of said depletion mode transistor is a transverse overflow barrier to dump excess charge to the power supply.